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	STATEMENT		Applicant(s): Michael A. Johnson, Clayton A. George, Peggy S. Willett and Scott R. Meyer							
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Examiner			U.S. PATENT	DOCUMENTS						
Initial -776	-	Document Numbe		Name	Class	SubClass		g Date If ropriate		
775	 	5,032,209	7/16/91	Shinbach et al.	156	272.6				
		3,515,615	6/2/70	Yoichi Okada et al.	1 56	- 272-				
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476		WO 92/08073	5/14/92	PCT			Yes	No		
- -		WO 94/05338	3/17/94	PCT			<u> </u>	X		
										
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		Applicant Willett an	Applicant(s): Michael A. Johnson, Clayton A. George, Peggy S. Willett and Scott R. Meyer					
		Filing Da	te: April 12, 1995		Group:	130		
		U.S. P.	ATENT DOCUMENTS		C	17	23)	
Examiner Initial	Document Number	Date	Name	Class	SubClass		ng Date If Appro.	
AS	3,117,099	1/64	Proops et al.	-260	18-	 		
	4,173,476	11/79	Smith et al	430	280	\vdash		
	4,256,828	3/81	Smith	430	280	<u> </u>		
	4,593,051	6/86	Koleske	522	31-		<u> </u>	
	4,622,349	11/86	Koleske et al.	522	31_	 	_	
	4,775,719	4/88	Markevka et al.	525	125			
	4,812,488	3/89	Koleske et al.	522	31	<u> </u>		
	4,891,269	1/90	Markevka et al.	.428	423-			
	4,920,182	4/90	Manser et al.	525	438	· · · ·	 	
	4,933,219	6/90	Sakumoto et al.	-428	40			
	4,985,535	1/91	Takado et al.l.	538	272			
	4,996,283	2/91	Greco et al.	528	80_		·	
1/-	5,021,507	6/91	Stanley et al.	525	127		 -	
V	5,089,536	2/92	Palazzotto	522	16			
		FOREIG	N PATENT DOCUMENTS		<u> </u>	 -	·	
	Document Number	Date			Sub-	Transl	ation	
					Class	Yes	No	
18	0,276,716	8/88	EPO	CO8L	63/00.			
1	1,268,776	1989	Japan					
	304,026	1989	EPO					
	WO 92/20754	11/92	PCT	СӨЭЈ	163/00			
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)								
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OMB No. 0651-0011 Atty. Docket No.: 49286USA9C Serial No.: 08/421,055 INFORMATION DISCLOSURE **CITATION** Applicant(s): Michael A. Johnson, Clayton A. George, Peggy S. Willett and Scott R. Meyer Filing Date: April 12, 1995 Group: 1301 (1733) U.S. PATENT DOCUMENTS Examiner **Document Number** Date Name Initials Class **SubClass** Filing Date If Appropriate 2,015,658 10/35 Bezzenberger 51 278 2,053,360 9/36 Benner et al. 91 70 2,899,288 8/59 Barclay 51 293 3,230,672 1/66 Anthon 404 3,634,169 1/72 Garnish 156 313 3,770,555 11/73 Gladstone et al. 156 306.9 3,813,231 5/74 Gilbert et al. 51 208 4,047,903 9/77 Hesse et al. 51 298 4,163,647 8/79 Swiatek 51 295 4,240,807 12/80 Kronzer 51 295 4,311,489 1/82 Kressner 51 289 4,533,982 11/85 Korbel et al. 298 4,588,419 5/86 Caul et al. 295 51 4,652,275 3/87 Bloecher et al. 51 298 4,751,138 6/88 Tumey et al. 428 323 4,799,939 1/89 Bloecher et al. 51 293 4,903,440 2/90 Larson et al. 51 298 4,927,431 5/90 Buchanan et al. 51 298 4,966,609 10/90 Callinan et al. 51 295 4,997,717 3/91 Rembold et al. 478 413 5,262,481 11/93 Jammet 525 125 FOREIGN PATENT DOCUMENTS **Document Number** Date Country Class Sub-Translation Class

Advance C. Shothe

766,116

0 212 238 A2

0 257 757 A2

0 497 451 A2

11/10/04

Canada

EPO

EPO

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INFORI	MATION DISCLOSURE CITATION	Atty. Docker	t No.: 49286USA9C		Serial No.		
	CHARLON	Applicant(s): Scott R. Mey	: Michael A. Johnson, Cla yer	ayton A. Geory	ge, Peggy S.	Willett :	and
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Examiner Initial	Document Number	Date	Name	Class	SubClass		g Date If
My.	3,018,262	1/23/62	Schroeder	260	29.2		
	3,659,896	5/2/72	Smith et al.	260	37.R		
	4,490,424	12/25/84	Gerace	428	68-		
+++	4,900,771	2/12/90	Gerace et al.	-524	296		
W	5,086,088	2/4/92	Kitano et al.	522	170		
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		FOREIGN PA'	TENT DOCUMENTS	<u> </u>			
	Document Number	Date	Country	Class	Sub- Class	Transl	Jation
My	64-67417	3/14/89	Japan		<u> </u>	Yes	. No
PI	53-42280	4/17/78	Japan			•	-
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Exam	Document Number	U.S. PATE	NT DOCUMENT	S		1,-3/			
Initial		Date	Name	Class	SubClass	Filing Date I			
	4,129,607	12/12/1978	Kooi et al.	260	835	Appropriate			
WI									
	3,784,435	1/8/74	Bagheri et al.	156-	293	 			
1	4,693,775	9/15/87	Harrison et al.	156	272 .4	 			
	4,427,481	6/24/84	Smith et al.	156-	306:6	<u> </u>			
	3,996,082	12/7/76	Leatherman	156	73.5				
	3,737,355	6/5/73	Epstein et al.	156	293	 			
- . 	3,703,434	11/21/72	Schaaf	161	167				
V/	4,631,233	12/23/86	Kan	428	420	 			
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	A-00 228 327	11/13/85	Japan			X			
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OMB No. 0651-0011 **INFORMATION** Atty. Docket No.: 49286USA9C Serial No.: 08/421,055 **DISCLOSURE** Applicant(s): Michael A. Johnson, Clayton A. George, Peggy S. **STATEMENT** Willett and Scott R. Meyer Filing Date: April 12, 1995 Group: 1301 (1733) U.S. PATENT DOCUMENTS Examiner **Document Number** Name Filing Date If Appropriate Class SubClass Initial 5,326,605 7/5/94 Ono et al. 428 40 FOREIGN PATENT DOCUMENTS Document Number Country Class SubClass Translation Yes 1-152049 14-6-89 Japan B29D B₂9C \mathbf{X} 31/00 69/00 0 587 171 A1 09-09-93 **EPO** A-02 239 447 21-09-90 Japan (Abstract) A-57 164 179 08-10-82 Japan (Abstract) WO 93/24279 09-12-93 **PCT** OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.) 1992 Constructionplas Conference, Plastics in Construction, "New Polymeric Materials for Joining and Fastening Applications", McLean, Va., 20th-22nd Oct. 1992, p. 90-4 Conference Papers, Corporate Author - Robert D. Anderson, Minnesota Mining and Manufacturing Company (3M), Industrial Tape and Specialties Division.

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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PAGE 7 of 7

OMB No. 0651-0011 INFORMATION Atty. Docket No.: 49286US003 Serial No.: 08/421,055 **DISCLOSURE** Applicant(s): Michael A. Johnson **STATEMENT** Filing Date: April 12, 1995 Group: 1301 (1733) **U.S. PATENT DOCUMENTS** Examiner **Document Number** SubClass Filing Date If Initial Appropriate FOREIGN PATENT DOCUMENTS Document Number Date of Country Class SubClass Translation Publication Yes No JP63-128029 05/31/88 Japan (abstract & excerpts) JP58-217516 12/17/83 Japan (abstract & excerpts) OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

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(Also form PTO-1449)

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Substitute for form 1449A/PTO (modified)	Application Number	08/421055
INFORMATION DISCLOSURE	Filing Date	April 12, 1995
STATEMENT BY APPRICANT	First Named Inventor	Johnson, Michael A.
	Art Unit	1733
,	Examiner Name	A. Johnstone
Page 1 of 1	Attorney Case Number	49286US003

U.S. Patent Documents								
	Cite	Document Number	Publication Date or	Name of Patentee	Pages, Columns, Lines, Where			
Init.*	No.	Doc. Number-(Kind Code if Known)	Issue Date MM-DD-YYYY	or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear			
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	A2	US-						
	A3	US-						
	A4	US-						
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	A7	US-						
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	A9	US-						
	A10	US-						
1	A11	US-			 			

			F	oreign Patent	Documents		
	Cite	For	eign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines,	· · · · · ·
	No.	Ctry. Code	Number-KindCode (If known)			Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
	B1	JP	04-339881	11//26/92		1,921.007, pp001	Yes
	B2						103
	В3						
	B4						
	B 5	7				,	
	В6						
	B7						

OTHER DOCUMENTS						
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